

05-11-01

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Eric A. Jacobsen

Title: SPARSE CHANNEL ESTIMATION FOR ORTHOGONAL FREQUENCY DIVISION  
MULTIPLEXED SIGNALS

Attorney Docket No.: 884.427US1

JC978 U.S. PTO  
09/852376

05/10/01

## PATENT APPLICATION TRANSMITTAL

## BOX PATENT APPLICATION

Commissioner for Patents  
Washington, D.C. 20231

We are transmitting herewith the following attached items and information (as indicated with an "X"):

- ☒ Return postcard.
- ☒ Utility Patent Application under 37 CFR § 1.53(b) comprising:
- ☒ Specification ( 21 pgs, including claims numbered 1 through 29 and a 1 page Abstract).
- ☒ Formal Drawing(s) ( 5 sheets).
- ☒ **Signed Combined Declaration and Power of Attorney** ( 3 pgs).
- ☒ Check in the amount of \$952.00 to pay the filing fee.
- ☒ Assignment of the invention to Intel Corporation ( 2 pgs) and Recordation Form Cover Sheet.
- ☒ Check in the amount of \$40.00 to pay the Assignment recording fee.

The filing fee has been calculated below as follows:

|   | No. Filed | No. Extra | Rate   | Fee      |
|---|-----------|-----------|--------|----------|
| TOTAL CLAIMS                            | 29 - 20 = | 9         | x 18 = | \$162.00 |
| INDEPENDENT CLAIMS                      | 4 - 3 =   | 1         | x 80 = | \$80.00  |
| [ ] MULTIPLE DEPENDENT CLAIMS PRESENTED |           |           |        | \$0.00   |
| BASIC FEE                               |           |           |        | \$710.00 |
| TOTAL                                   |           |           |        | \$952.00 |

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This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.